

**What is claimed is:**

Sub  
all

1. ~~A method of driving a plasma display panel utilizing an asymmetry sustaining wherein the plasma display panel is divided into an upper block and a lower block for it's driving, said method comprising the steps of:~~

applying an upper driving signal for supplying a data to address electrode lines provided at the upper block; and

applying a lower driving signal for supplying a data to address electrode lines provided at the lower block in such a manner to overlap with the upper driving signal.

2. The method as claimed in claim 1, wherein the lower driving signal is applied at an approximately halftime of an application period of the upper driving signal.

3. The method as claimed in claim 1, wherein a period when a period when the upper driving signal falls into a ground potential overlaps with a period when the lower driving signal remains at a stable voltage level.

4. The method as claimed in claim 1, wherein a period when the lower driving signal falls into a ground potential overlaps with a period when the upper driving signal remains at a stable voltage level.

5. The method as claimed in claim 3, wherein a data at the lower block is supplied at said period when the lower driving signal remains at a stable voltage level.

6. The method as claimed in claim 4, wherein a data at the upper block is supplied at said period when the upper

driving signal remains at a stable voltage level.

7. The method as claimed in claim 1, further comprising the steps of:

5 driving an energy recovery circuit at said application time of said driving signals to raise said driving signals into a stable voltage level; and

driving the energy recovery circuit after said data was supplied to the corresponding block, thereby falling  
10 said driving signals into a ground voltage level.

8. The method as claimed in claim 7, wherein signals for driving the energy recovery circuit have a phase difference between the upper block and the lower block.

15

9. A driving apparatus for a plasma display panel utilizing an asymmetry sustaining wherein the plasma display panel is divided into an upper block and a lower block for it's driving, said driving apparatus comprising:

20 a first address driver for driving first address electrode lines included in the upper block;

a second address driver for driving second address electrode lines included in the lower block; and

control means for applying first and second control  
25 signals having a desired phase difference to control an energy recovery circuit included in each of the first and second address drivers.

10. The driving apparatus as claimed in claim 9, wherein  
30 the control means includes:

controller for generating the first and second control signals and applying them to the first and second address drivers; and

a delay, being provided between the controller and the second address driver, for delaying the second control signal.

5 11. The driving apparatus as claimed in claim 10, wherein the delay delays the second control signal such that a driving signal can be applied from the second address driver to the address electrode lines at an approximately half time of a driving signal applied from the first  
10 address driver to the address electrode lines.

12. The driving apparatus as claimed in claim 9, further comprising:

a first scanning/sustaining driver for driving  
15 scanning/sustaining electrode lines included in the upper block;

a second scanning/sustaining driver for driving scanning/sustaining electrode lines included in the lower block; and

20 a common sustaining driver for driving common sustaining electrode lines included in the upper and lower blocks.